

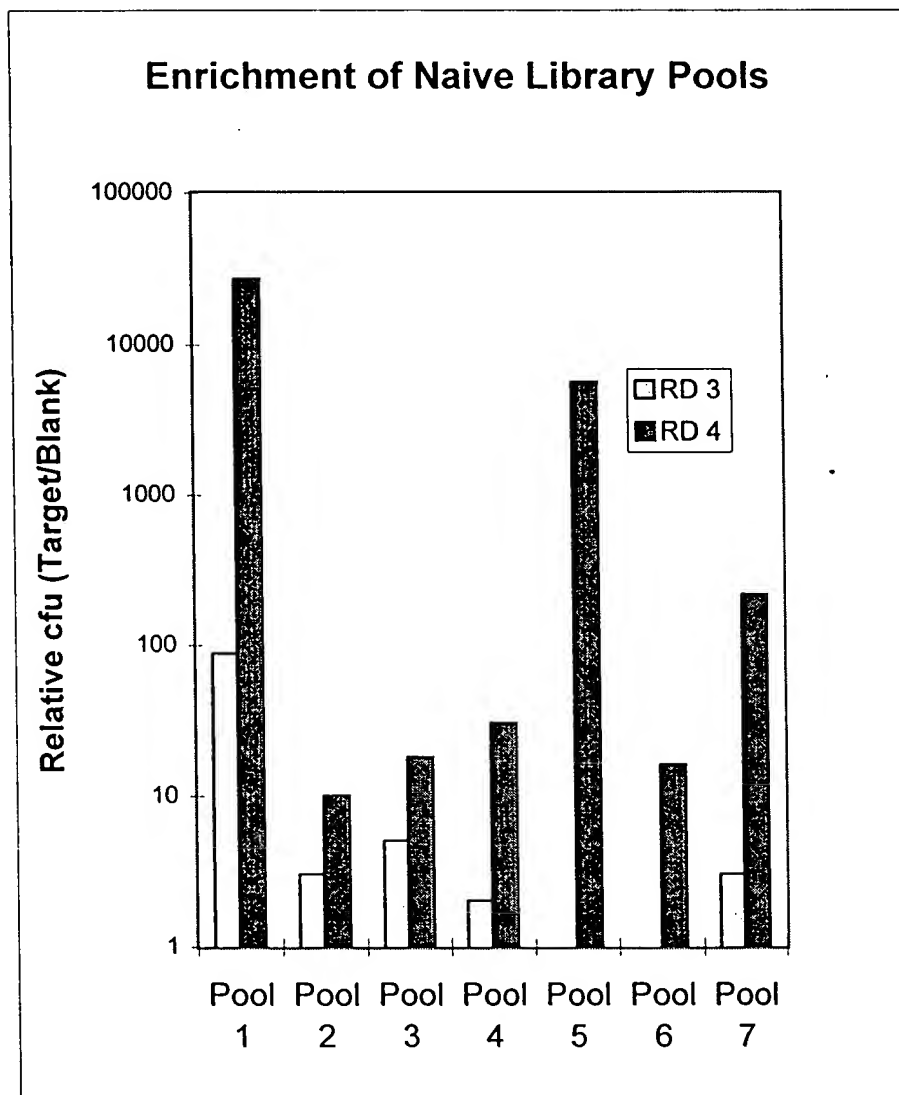
[illegible]

Fig. 2B

	230	240	250	260	270
humIgG1	PAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYV				
humIgG2	PAP-PVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVQFNWYV				
humIgG3	PAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVQFKWYV				
humIgG4	PAPEFLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSQEDPEVQFNWYV				
	****			*	* *
	280	290	300	310	320
humIgG1	DGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALP				
humIgG2	DGVEVHNAKTKPREEQFNSTFRVVSVLTVVHQDWLNGKEYKCKVSNKGLP				
humIgG3	DGVEVHNAKTKPREEQFNSTFRVVSVLTVLHQDWLNGKEYKCKVSNKALP				
humIgG4	DGVEVHNAKTKPREEQFNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKGLP				
			*	*	*
	330	340	350	360	370
humIgG1	APIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSTIAV				
				D L	
humIgG2	APIEKTISKTKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSTIAV				
humIgG3	APIEKTISKTKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSTIAV				
humIgG4	SSIEKTISKAKGQPREPQVYTLPPSQEEMTKNQVSLTCLVKGFYPSTIAV				
	**	*		*	
	380	390	400	410	420
humIgG1	EWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMH				
humIgG2	EWESNGQPENNYKTTTPMLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMH				
humIgG3	EWESSGQPENNYNTTPMLDSDGSFFLYSKLTVDKSRWQQGNIFSCSVMH				
humIgG4	EWESNGQPENNYKTTTPVLDSDGSFFLYSRLTVDKSRWQEGNVFSCSVMH				
	*	*	*	*	* *
	430	440			
humIgG1	EALHNHYTQKSLSLSPGK				
humIgG2	EALHNHYTQKSLSLSPGK				
humIgG3	EALHNRFTQKSLSLSPGK				
humIgG4	EALHNHYTQKSLSLGLK				
	**		*		

Fig. 3

Figure 4



000E90 T2469960

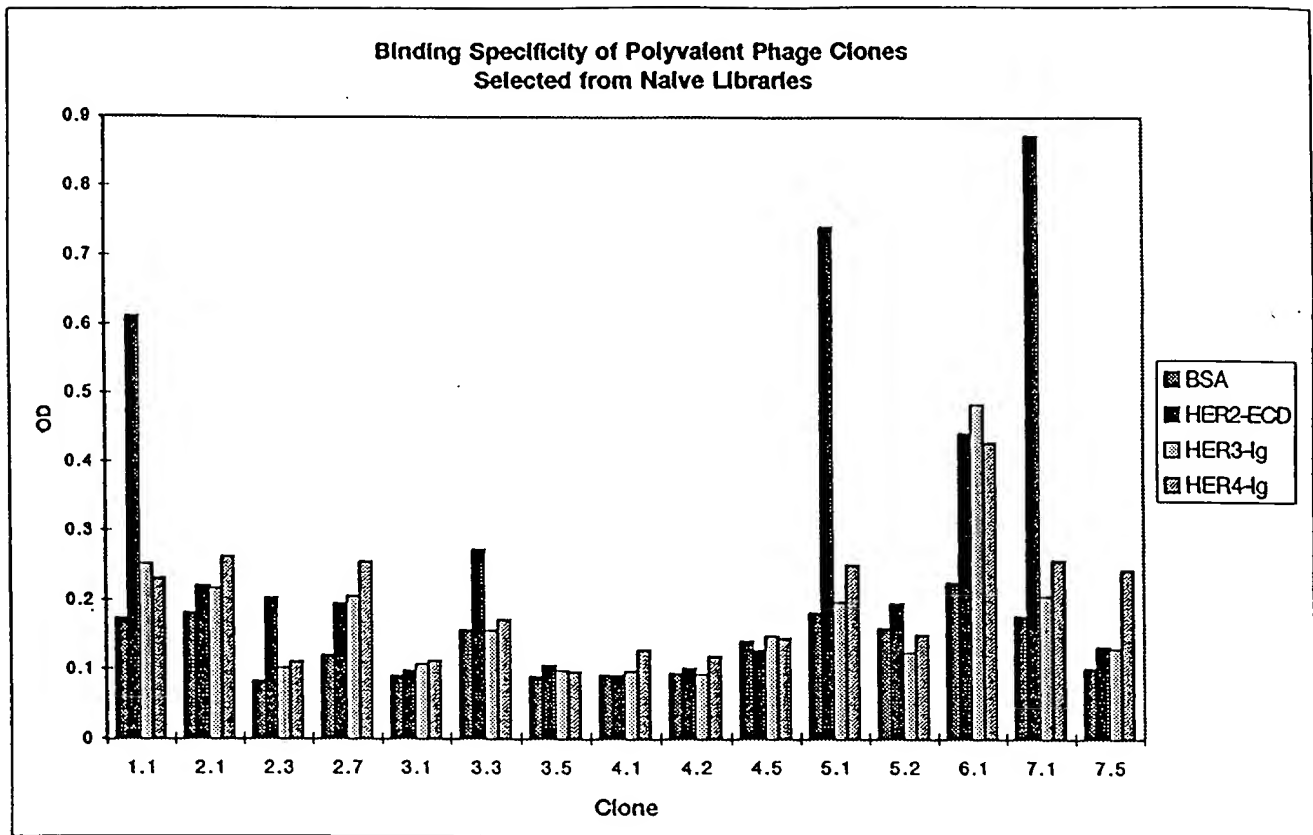


Figure 6.

EC_{50} for 1.1.FI-Zb Binding to Immobilized HER2

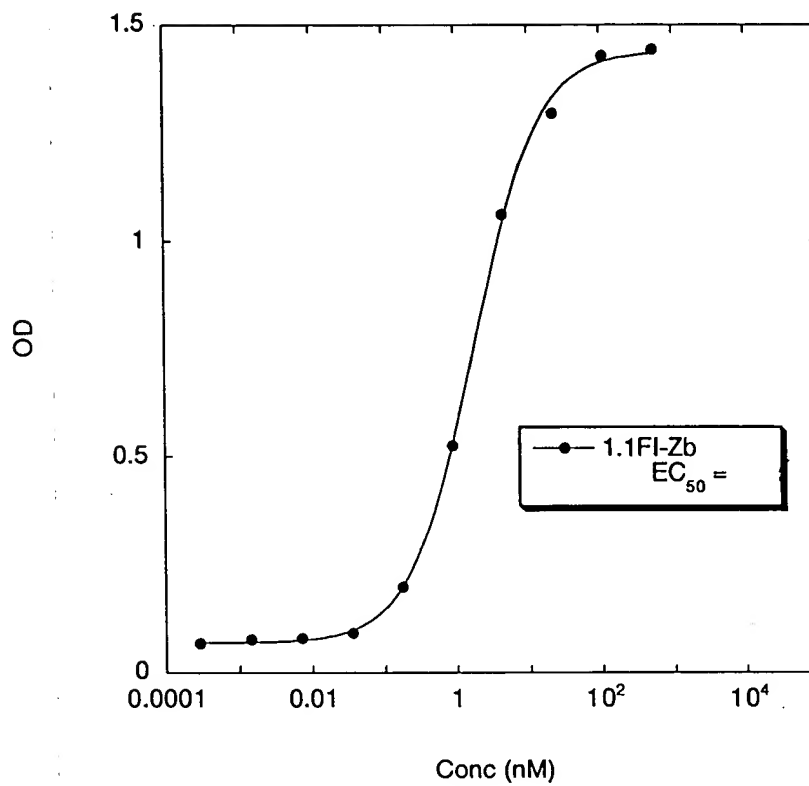


Figure χ

HER2 Competition ELISA

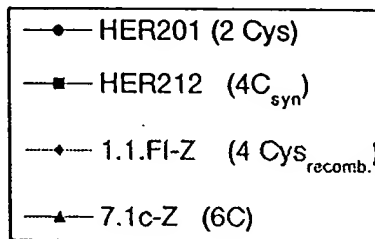
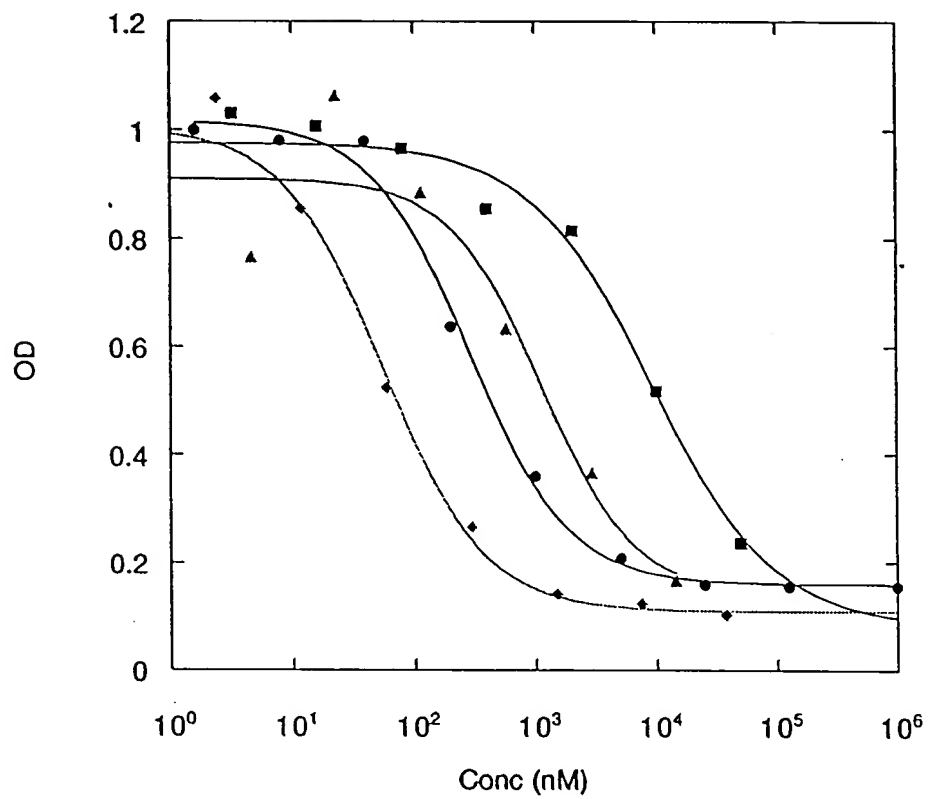
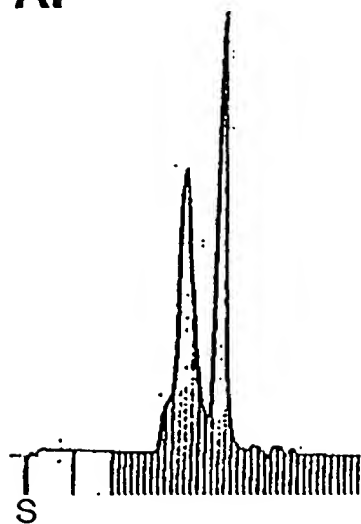


Figure 8

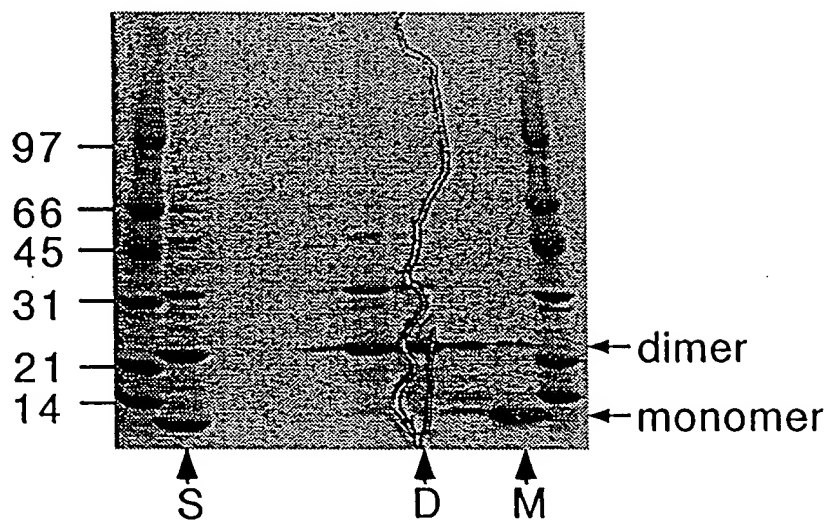
1.1.FI-Z

QVYESWGCIGPGCACLQACL-Z

A.



B.



C.

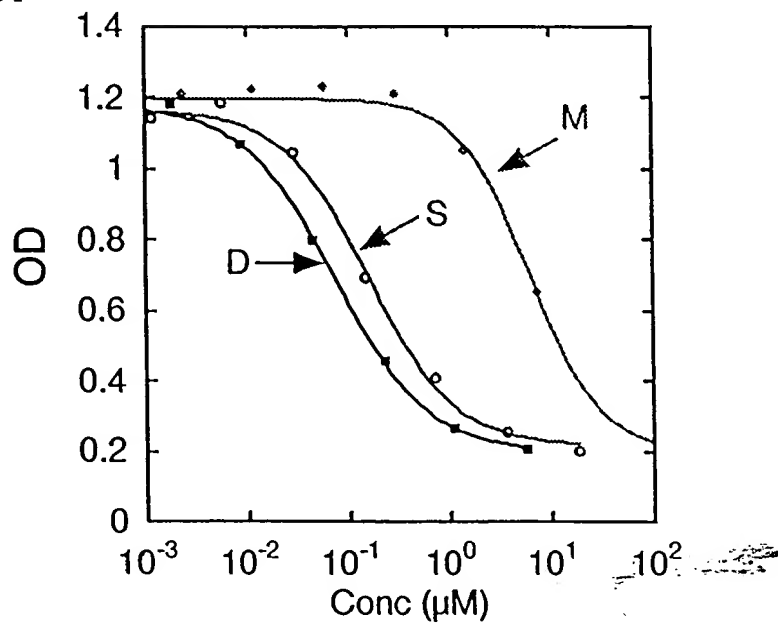


Figure 9

(1.1.FI)₂-Z

QVYESWGCIGPGCACLQACLGGS GGQVYESWGCIGPGCACLQACL-Z

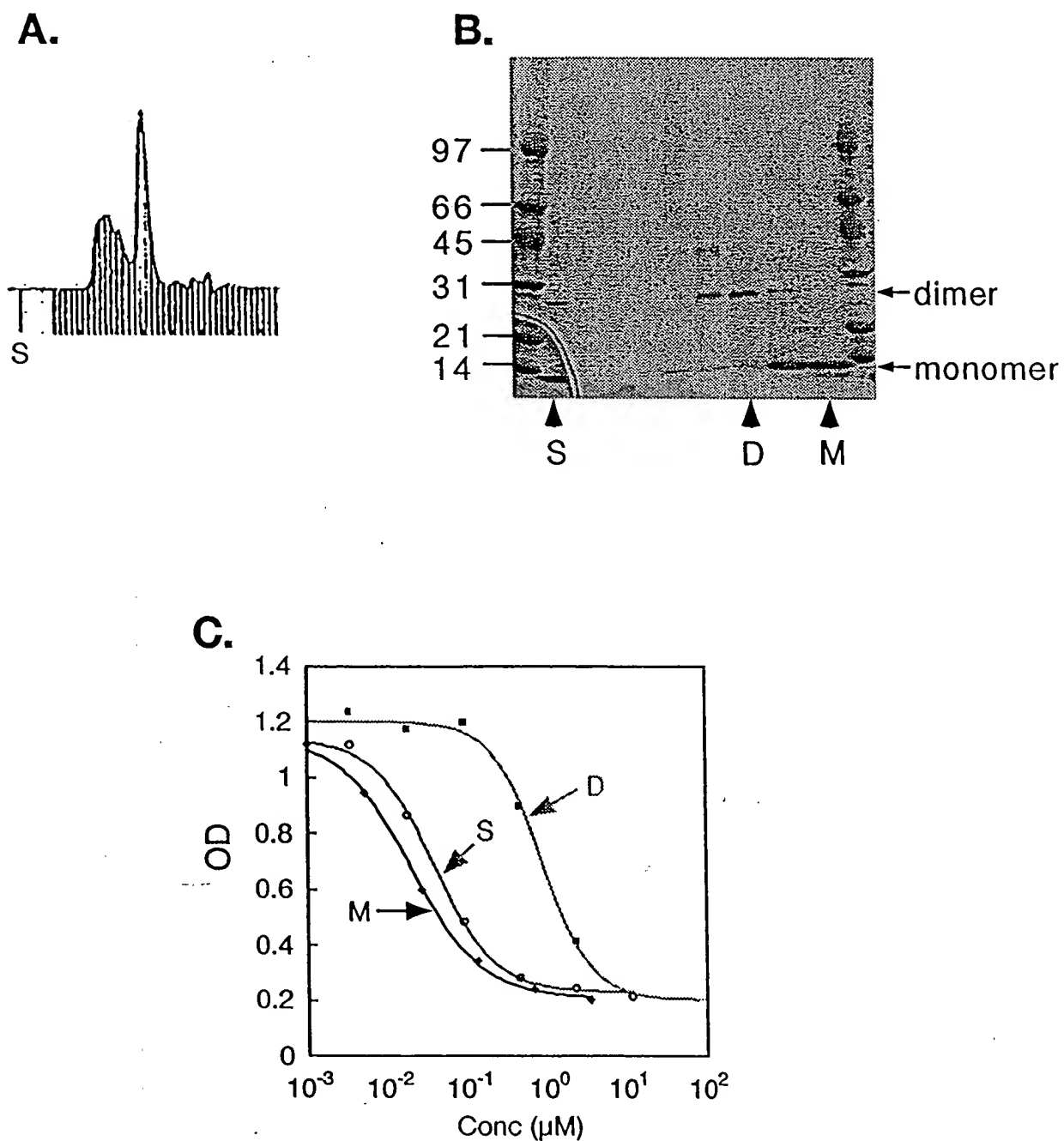
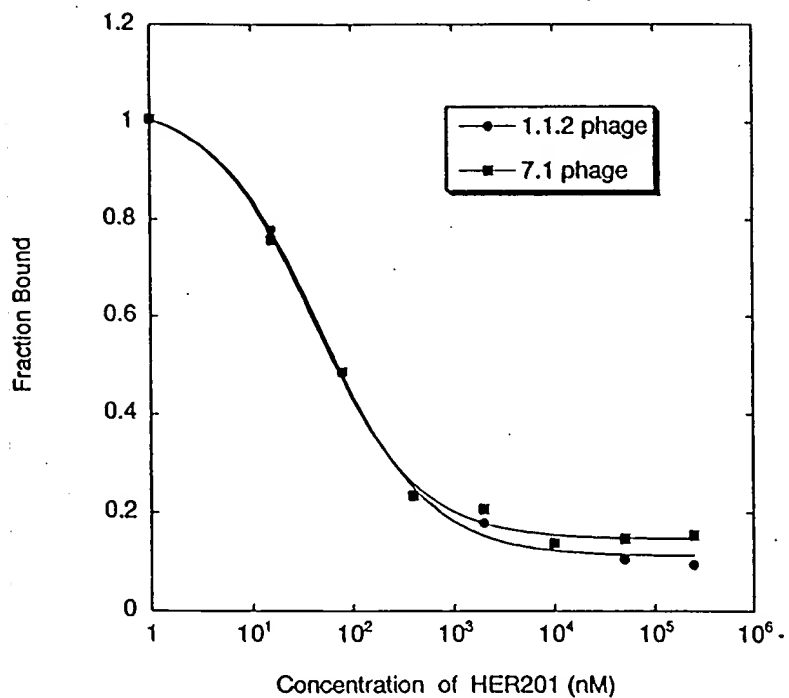
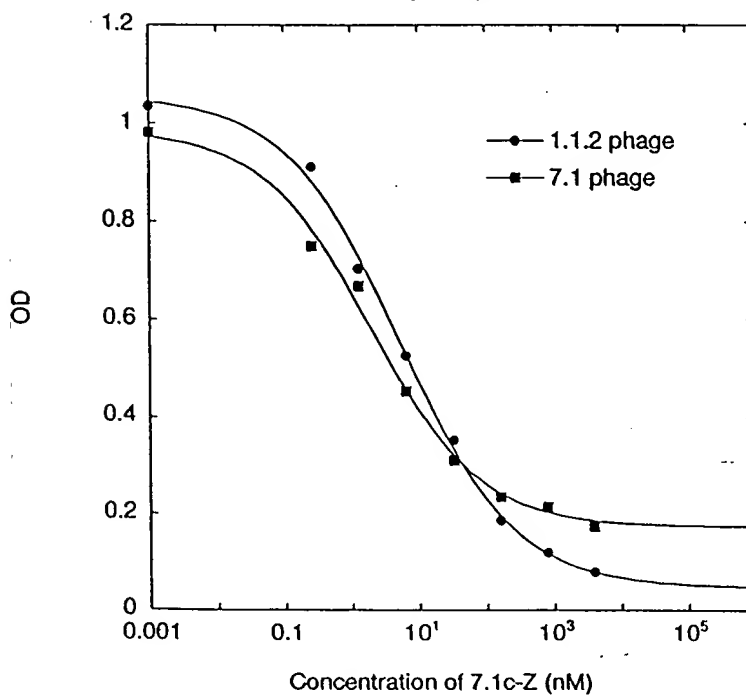


Figure 0

**Class 1 and 7 Phage binding to HER2
is blocked by HER201 peptide**



**Class 1 and 7 Phage binding to HER2
is blocked by Peptide 7.1c-Z**



Class 7

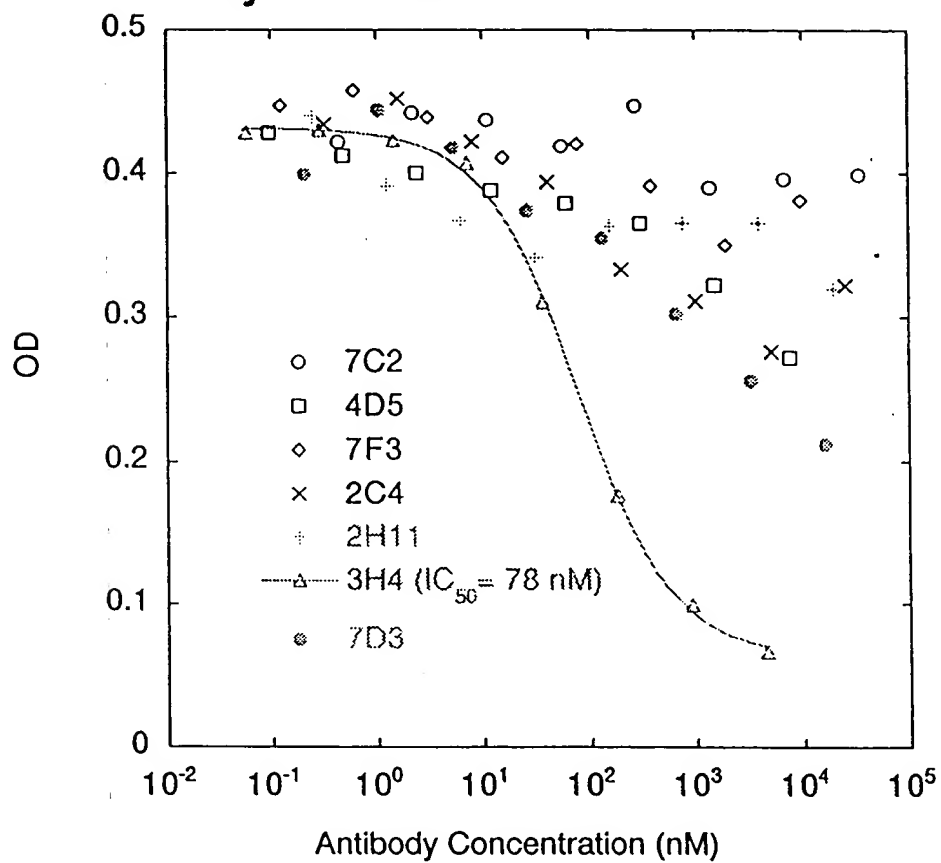
Class 1

1.1.CF

[illegible]

Figure 18

Inhibition of 1.1.FI-phage Binding to HER2 by HER2 Monoclonal Antibodies



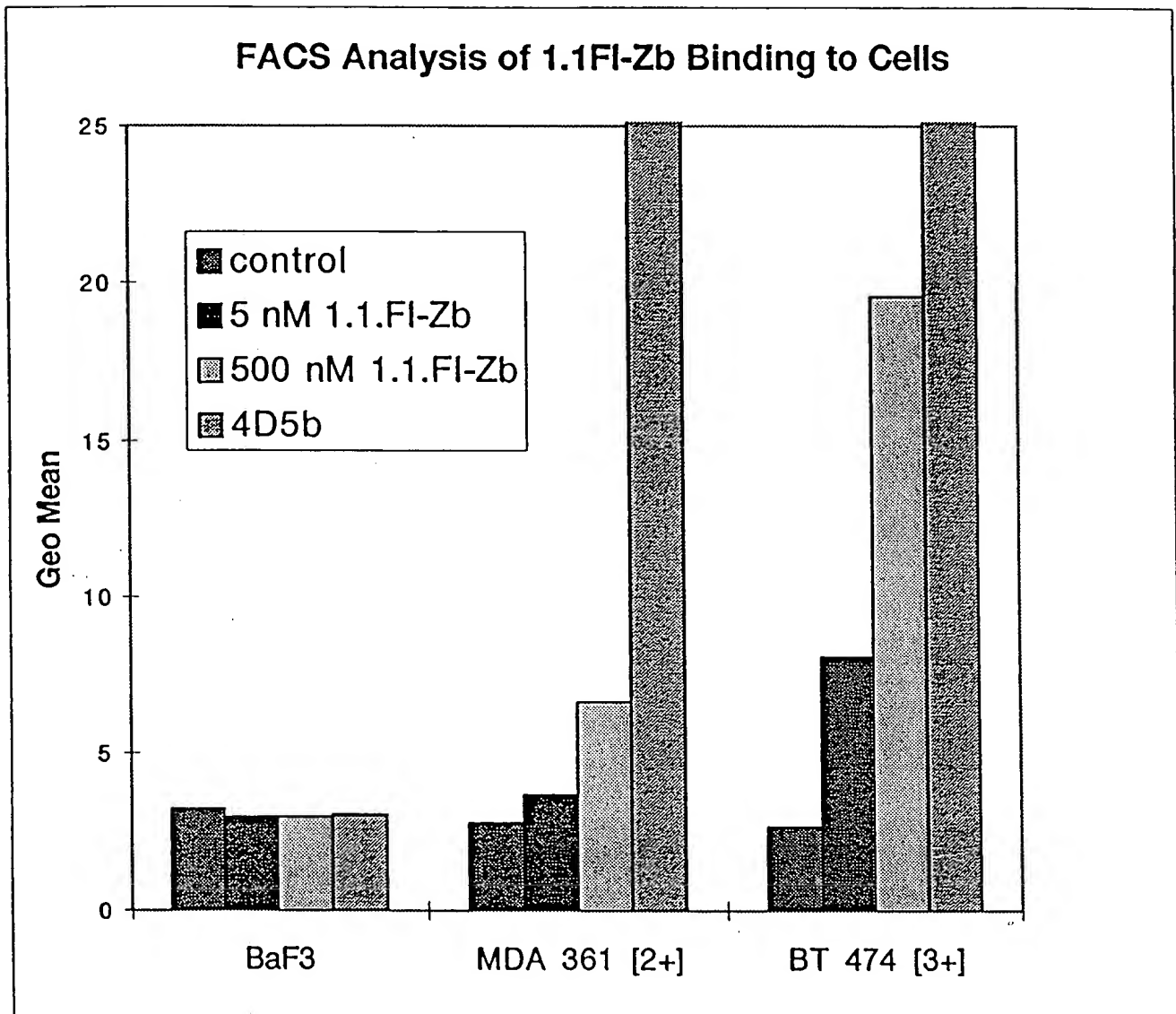
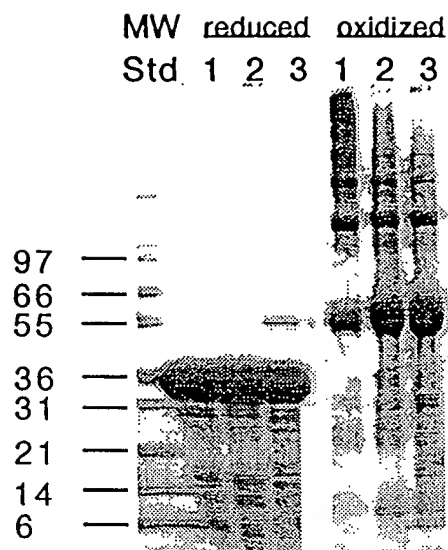


Figure 14



1 = Control Fc (no peptide fusion)
 2 = HER2-Fc fusion (1.1 FI-Fc)

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Pool 1

1.1 Y E V E A W D C M G P G C A N L F E A H
consensus Y E F E Q W G C I G P G C A Y L F E A H

Library 1.1.F

1.1.FC	Y	E	W		G		P	A		G	F	G	Y
1.1.FN	R	W	D		E		E	W		V	V	R	K
1.1.FA	Q	R	N		A		E	M		C	A	W	C
1.1.FM	L	S	P		T		E	M		C	S	W	C
1.1.FE	E	N	W		M		K	F		C	E	P	C
1.1.FH	C	I	D		T		E	E		R	C	K	R
1.1.FB	T	Q	A		R		E	C		M	S	C	V
1.1.FF	A	P	R		V		A	C		L	R	C	I
1.1.FI	Q	V	Y		S		A	C		Q	A	C	L
1.1.FK	R	T	E		Q		R	C		L	S	C	L
1.1.FD	F	A	G		S		E	C		I	G	C	L
1.1.FQ	T	A	R		V		N	C		L	A	C	L
1.1.FS	R	P	H		P		S	C		L	S	C	I
1.1.FX	A	S	H		V		K	C		Q	A	C	M
1.1.FY	K	L	N		E		A	C		L	Q	C	W
1.1.FZ	K	L	N		D		A	C		L	-	C	

Library 4.1.N

Library 1.1.N		E	-	W	G	C	I	G	P	G	C	-	-	L	-	-	-	-
1.1.NC	V	W	G	C	I	G	P	G	C	K	A	I	C	D	W	C		
1.1.NB	R	W	G	C	I	G	P	G	C	R	M	I	C	E	W	C		
1.1.NM	V	W	G	C	I	G	P	G	C	D	M	I	C	N	W	C		
1.1.NQ	V	W	G	C	I	G	P	G	C	S	M	I	C	G	W	C		
1.1.NA	V	W	G	C	I	G	P	G	C	E	C	I	M	N	C	L		
1.1.NG	G	W	G	C	I	G	P	G	C	E	C	I	L	R	C	L		
1.1.NH	G	W	G	C	I	G	P	G	C	G	C	I	L	K	C	L		
1.1.NE	P	W	G	C	I	G	P	G	C	A	C	I	L	G	C	L		
1.1.NJ	E	W	G	C	I	G	P	G	C	A	C	I	L	N	C	I		
1.1.NF	Q	W	G	C	I	G	P	G	C	K	C	I	M	G	C	L		
1.1.NK	Q	W	G	C	I	G	P	G	C	G	C	I	L	R	C	L		
1.1.NR	A	W	G	C	I	G	P	G	C	S	C	I	M	A	C			

Library 1.1.C

Library 1.1.C	-	-	-	E	-	W	Q	C	I	G	P	G	C	-	-	L
1.1.CF	N	V	C	E	F	Y	G	C	I	G	P	G	C	A	Q	C
1.1.CA	H	W	M	E	R	W	G	C	I	G	P	G	C	G	F	I
1.1.CB	N	W	P	E	G	W	G	C	I	G	P	G	C	K	L	E
1.1.CC	F	N	W	E	K	W	G	C	I	G	P	G	C	Q	R	T
1.1.CD	F	S	G	E	R	W	G	C	I	G	P	G	C	Q	V	L
1.1.CE	G	G	W	E	G	W	G	C	I	G	P	G	C	R	Y	L
1.1.CG	L	W	F	E	R	W	G	C	I	G	P	G	C	T	-	I
1.1.CH	G	I	P	E	G	W	G	C	I	G	P	G	C	E	W	I
1.1.CI	W	W	T	E	R	W	G	C	I	G	P	G	C	S	M	L
1.1.CJ	-	C	-	E	R	W	G	C	I	G	P	G	C	S	M	L
1.1.CL	L	G	W	E	R	W	G	C	I	G	P	G	C	R	A	I
1.1.CM	S	P	W	E	G	W	G	C	I	G	P	G	C	R	W	L
1.1.CP	R	G	W	E	G	W	G	C	I	G	P	G	C	S	F	I

Figure

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